

## CLAIMS:

1. A display device comprising a substrate, which is provided with groups of pixels and at least one semiconductor device associated with each group of pixels and being provided at the area of said group of pixels, the semiconductor device being provided with drive means for driving pixels dependent on data to be displayed and with data processing means.  
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2. A display device as claimed in claim 1, the semiconductor devices being provided with means for recognizing the location of the group of pixels.
- 10 3. A display device as claimed in claim 1, wherein the data processing means have a decoding function.
4. A display device as claimed in claim 1, wherein the addressing rate of the semiconductor devices is variable.  
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5. A display device as claimed in claim 1, wherein the driving means for different part of the displays have separate control means for varying the addressing rate of the associated semiconductor devices.
- 20 6. A display device as claimed in claim 1, wherein further driving means comprise a frame memory and means to detect changes between the contents of subsequent frames.
7. A display device as claimed in claim 1, wherein the driving means comprise a  
25 frame memory and means to detect changes between the contents of subsequent frames.
8. A display device as claimed in claim 1, wherein encoded data to be displayed is transported to at least a group of the semiconductor devices after detecting a certain amount of change between the contents of subsequent frames or of subsequent subframes.

9. A display device as claimed in claim 1 wherein encoded data to be displayed is transported to at least a part of the group of the semiconductor devices at full frame rate

5 10. A display device as claimed in claim 9 wherein at least a part of the group of the semiconductor devices receives the most significant part of the data to be displayed.

11. A display device as claimed in claim 10 wherein at least a part of the group of the semiconductor devices receives refinement data of the data to be displayed.

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12. A display device as claimed in claim 1, wherein further driving means for the display comprise an encoding function.

13. A display device as claimed in claim 2, wherein the means for recognizing the  
15 location have a read-only structure.

14. A display device as claimed in claim 2, wherein the means for recognizing the location comprise a programmable memory.

20 15. A display device as claimed in claim 1, wherein the drive means have a bus structure.